

**Washington State Department of Corrections
Major Project Status Report to OFM
December 2009**

Agency Number: 310

Agency: Department of Corrections

Project Number: 04-2-008

Institution: Washington Corrections Center (WCC)

Project Title: REGIONAL INFRASTRUCTURE

Bill Reference(s): Laws of 2003, Chapter 26, Section 274

Laws of 2005, Chapter 488, Section 262

Laws of 2007, Chapter 520, Section 2055

Laws of 2009, Chapter 497, Section 2042

Contact: Kent Nugen, Chief of Capital Programs, (360) 725-8353, kdnugen@doc1.wa.gov

Project Description: The city of Shelton, the Department of Corrections and the Washington State Patrol created a partnership to establish a regional water and sewer utility, which Shelton will own and operate. Shelton is managing the design and construction. The project goals are to provide water and sewer service to all of the partner agencies, to provide enhanced environmental protection in the service area, and to reduce the existing shellfish closure zone in Oakland Bay. The Washington Corrections Center (WCC) is operating a wastewater treatment plant (WWTP) that is well past its life cycle and the effluent spray field is operating under a temporary permit.

The regional system will provide WCC and the State Patrol Academy with sewer service through the construction and operation of a satellite WWTP, located near Sanderson Field off Highway 101. This project ensures WCC a future tie-in to the regional water system when institutional growth exceeds the facility's potable water rights and all water consumption reduction efforts made possible from the new reclaimed water source have been realized.

Square feet: N/A

Scope Changes: There has been no change in project scope since the last progress report.

Project Total Cost:

Phase	Biennium	Appropriation	Amount
Pre-Design	03-05	G 24	\$ 62,237
Design	05-07	G 24R	\$ 1,488,223
Design	05-07	H 02	\$ 17,203
Design	07-09	G 24R	\$ 330,244
Design	09-11	G 24R	\$ 171,183
Design	09-11	J 00	\$ 87,160
Construction	07-09	G 24R	\$ 10,604,492
Construction	09-11	G 24R	\$ 1,769,994
Construction	09-11	J 00	\$ 787,840
Construction	11-13		\$ 1,766,858
Other	03-05	G 24	\$ 10,800
Other	05-07	G 24R	\$ 26,224

Washington State Department of Corrections – December 2009 Major Project Report
 Washington Corrections Center – Regional Infrastructure
 Project 04-2-008

Other	07-09	G 24R	\$ 59,070
Other	09-11	G 24R	\$ 189,272
Other	09-11	J 00	\$ 25,000
Other	11-13		\$ 41,200
Total			\$ 17,437,000

MACC: \$14,897,869.00

Schedule:

	Budget Schedule	Actual/Forecast	Variance (weeks)
Pre-design Complete	N/A	3/31/06	0
Satellite Water Reclamation Plant:			
Start Design	7/1/05	8/15/06	59
Bid Date BP 1 – (Pipelines)	1/1/06	11/06/07	96
Bid Date BP 2 – (Plant)	1/1/06	5/13/08	123
NTP BP 1	3/1/06	2/15/08	102
NTP BP 2	3/1/06	7/15/08	124
50 % Complete BP 1	5/15/07	4/15/08	48
50 % Complete BP 2	5/15/07	4/15/09	100
Substantial Completion BP 1	6/30/08	6/30/08	0
Substantial Completion BP 2	6/30/08	1/15/10	81
Final Acceptance BP 1	8/30/08	7/30/08	-4
Final Acceptance BP 2	8/30/08	3/15/10	80
Regional Water System:			
Start Design	2009-2011*	TBD	
Construction	2011-2013*	TBD	
City of Shelton Wastewater Treatment Plant Upgrade:			
Start Design	01/10/08	01/10/08	0
Design Complete	01/10/09	09/10/09	35
Start Construction	01/10/10	01/10/10	0
Construction Complete	07/10/11	07/10/11	0

*Multiple funding sources required. Schedule cannot be established at this time.

Project Status and Discussion of Critical Path for Construction:

Satellite Water Reclamation Plant: The planned improvements to the satellite water restoration plant, effluent disposal, water reuse line and sanitary sewer collection system will take place under two (2) separate bid packages:

- **Bid Pack 1:** Satellite Conveyance/Reclaimed Water Pipelines: Construction of approximately 22,000 lineal feet of sanitary sewage line and approximately 25,000 lineal feet of reclaimed water force main. Construction was complete June 30, 2008.

- **Bid Pack 2:** Satellite Water Reclamation Plant: The bids came in above the engineer's estimate and above the funds DOC had available for this project. The Department could not commit to an agreement with the city to authorize the bid without sufficient funds to cover such an agreement. The partners worked with the city of Shelton to restructure the agreement and increase the city's contribution in order to award the bid to Pease & Sons. A notice to proceed was issued July 15, 2008. The satellite plant began operation and initial testing 10/28/09. The plant is now accepting sewage from the Washington Corrections Center (WCC). The WWTP at WCC is no longer on-line. Decommissioning/ demolition of the WCC WWTP has begun. Construction is scheduled for completion by January 2010.

Regional Water System: A portion of the Regional Water System project to be included in Bid Pack 2 scope of work is the waterline from Wal-Mart across Highway 101 to the satellite water-reclamation plant, which has been completed. The city of Shelton will find additional funds to complete the main water system scope of work; we expect that design for this system will start in the 2009-2011 Biennium. The City has encountered funding challenges and may likely not be able to contribute to this part of the infrastructure improvements as originally planned. Their challenges are due to the high construction bids for the satellite plant and the prospect of adding this additional financial burden for the water line on current rate payers in this poor economy. This phase is critical for the State Patrol, so alternative plans, with a phased scope approach are being considered to deliver water specifically to meet the immediate needs of the WSP and future needs of the DOC. Future phases for this work that specifically benefit the city and complete the regional system improvements will be funded entirely by Shelton. Conveyance and Reclaimed Water Pipelines – Bid Package 1 was substantially complete in June 2008.

City of Shelton Wastewater Treatment Plant Upgrade: Parametrix was selected to design the city's WWTP upgrade. Design started in January 2008 and was to be complete within 12-months; however, design completion extended to September 2009. The construction period is estimated at 18-months. Shelton has purchased two land parcels to be used for the WWTP expansion/improvements. To date, DOC has obligated \$82,613.14 for the design phase of the work. Construction will require additional funds, and is scheduled for the 2011-2013 Biennium.

Contract Award History:

A/E Agreement	Amount	Construction Contract	(Excluding Sales Tax)
Original Agreement	\$ 62,237	DOC's Share (71.85%) of BP1 & BP2 Award Amount	\$ 12,575,730
Amendments	\$ 1,910,963	Change Orders covered specifically by DOC	\$ 66,948
Pending Changes	\$ 0	Pending Changes	\$ 0
Total	\$ 1,973,200	Total	\$ 12,642,678
Current Design Contingency	\$ 0	Current Construction Contingency	\$ 0

Potential for Project Cost Overruns/Claims: Potential cost issues could result from increased construction costs due to project delays.

- Satellite Water Reclamation Plant – Bid Package 2: This phase of the project was delayed to correct/clarify issues with the bid documents. Bid opening was held on May 13, 2008. The bids came in much higher than the engineer's estimate and higher than the Department's available funds for this project. The partners worked with the city of Shelton to restructure the agreement and increase the city's contribution in order to award the bid to Pease & Sons. The notice to proceed was issued July 15, 2008. Construction is scheduled for completion by January 2010. The majority of construction risks have been avoided since the reclaim plant is currently operating under testing conditions.
- Regional Water System Project: Shelton informed DOC and the Washington State Patrol that they lack funding for the design phase of the Regional Water System Project. Discussions are underway to resolve this issue and solidify partnership contributions and possible scope revisions for this work.
- City of Shelton Wastewater Treatment Plant Upgrade Project: Underway. Their consultant began design in January 2008. The design was completed in October, 2009. The construction project will bid in November, 2009. The construction period is approximately 18-months and expected to start January 2010. The estimated construction costs could increase during this period of time.

Discussion of Project Quality: The consultant team and the partners are working through the project delays, budget, and scope issues.

Project Photographs: See photograph on next page.

Satellite Water Reclamation Plant beginning “testing mode” October 2009

